Bancilhon, François
See Korth, Henry F.
Banerjee, K., Sastry, P. S., Ramakrishnan, K. R., and Venkatesh, Y. V.
An SIMD Machine for Low-Level Vision, 19 (44)
Berzins, Valdis
See Ketabchi, Mohammad A.
Bhargava, Bharat and Ng, Peter Lei
A Dynamic Majority Determination Algorithm for Reconfiguration of Network Partitions, 27 (46)
Burton, F. Warren
See Huntbach, Matthew M.

Chiu, Lin and Liu, Ming T.
Variable Timestamps: Performance Analysis, 3 (46)
Chou, Tair-Shian
See Datta, Ajoy K.

Datta, Ajoy K., Ghosh, Sukumar, and Chou, Tair-Shian
A New Algorithm for Deadlock Avoidance, 47 (46)
Dial, Gur
Shannon's Random-Cipher Result and the *R*-Norm Information, 79 (44)
Diamond, Phil
Fuzzy Least Squares, 141 (46)

Elmagarmid, Ahmed K.
Introduction, 1 (46)
Enomoto, Nobuyoshi
See Takeuchi, Tomoyoshi
Er, M. C.
An Optimal Algorithm for Reve's Puzzle, 39 (45)

Farouki, Rida T.
Computational Issues in Solid Boundary Evaluation, 87 (44)
Freeman, Herbert
An Expert System for the Automatic Placement of Names on a Geographic Map, 367 (45)
Furuta, Hitoshi
See Shiraishi, Naruhito

Gerla, Giangiacomo
A Preservation Theorem for Fuzzy Number Theory, 51 (45)
Ghosh, Sukumar
See Datta, Ajoy K.

Hideyuki, Kabuo
See Yamakawa, Takeshi
Hirota, Kaoru and Iwama, Kazuya
Application of Modified FCM with Additional Data to Area Division of Images, 213 (45)
Huntbach, Matthew M. and Burton, F. Warren
Alpha-Beta Search on Virtual Tree Machines, 3 (44)

Inoue, Katsuchi
See Ito, Akira
Ito, Akira, Inoue, Katsuchi, and Takanami, Itsuo
A Note on Three-Way Two-Dimensional Alternating Turing Machines, 1 (45)
Iwama, Kazuya
See Hirota, Kaoru

Jhunjhunwala, Anita
See Kothari, S. C.

Kak, Subhash C.
Multilayered Array Computing, 347 (45)
Kazanzides, Peter, Wasti, Hamid A., and Wolovich, William A.
A Multiprocessor System for Real-Time Robotic Control, 225 (44)
Ketabchi, Mohammad A., Berzins, Valdis, and March, Salvatore T.
An Object-Oriented Semantic Data Model for CAD Applications, 109 (46)
Kim, Won
See Korth, Henry F.

Korth, Henry F., Kim, Won, and Bancilhon, François
On Long-Duration CAD Transactions, 73 (46)
Kothari, S. C., Prabhu, G. M. Jhunjhunwala, Anita, and Roberts, Robert
Performance Analysis of Multistage Interconnection Networks with Redundant Linsk, 71 (44)

Lakshmivarahan, S.
Editorial, 1 (44)
Li, Y. and Wonham, W. M.
On Supervisory Control of Real-Time Discrete-Event Systems, 159 (46)
Lin, F. and Wonham, W. M.
Decentralized Supervisory Control of Discrete-Event Systems, 199 (44)
Lin, F. and Wonham, W. M.
On Observability of Discrete-Event Systems, 173 (44)
Liu, Ming T.
See Chiu, Lin

Maeda, Hiroshi and Murakami, Shuta
A Fuzzy Decision-Making Method and Its Application to a Company Choice Problem, 331 (45)
Maeda, Mikio and Murakami, Shuta
A Design for a Fuzzy Logic Controller, 315 (45)
Majumder, D. Dutta
A Unified Approach to Artificial Intelligence, Pattern Recognition, Image Processing, and Computer Vision in Fifth-Generation Computer Systems, 391 (45)
March, Salvatore T.
See Ketabchi, Mohammad A.
Masui, Shigehiro
See Terano, Toshiro
Miyakoshi, Masaaki
See Murai, Tetsuya
Mizumoto, Masaharu
Fuzzy Controls Under Various Fuzzy Reasoning Methods, 129 (45)
Murai, Tetsuya, Miyakoshi, Masaaki, and Shimbo, Masaru
A Modeling of Search Oriented Thesaurus Use Based on Multivalued Logical Inference, 185 (45)
Murakami, Shuta
See Maeda, Hiroshi
Murakami, Shuta
See Maeda, Mikio
Murayama, Yujiro
See Terano, Toshiro

Nagai, Yutaka
See Takeuchi, Tomoyoshi
Ng, Peter Lei
See Bhargava, Bharat

Ohsato, Ario and Sekiguchi, Takashi
Convexly Combined Fuzzy Relational Equations and Several Aspects of Their Application to Fuzzy Information Processing, 275 (45)
Onisawa, Takehisa
A Representation of Human Reliability Using Fuzzy Concepts, 153 (45)
Ozaki, Yoshinobu
See Shiraishi, Naruhito

Palvia, Prashant
Batched Searching in Database Organizations, 23 (45)
Prabhu, G. M.
See Kothari, S. C.
Pukkila, Tarmo M. and Rao, C. Radhakrishna
Pattern Recognition Based on Scale Invariant Discriminant Functions, 379 (45)

Raghavendra, C. S.
See Varma, Anujan
Ramakrishnan, K. R.
See Banerjee, K.

Rao, C. Radhakrishna
See Pukkila, Tarmo M.
Roberts, Robert
See Kothari, S. C.

Sastry, P. S.
See Banerjee, K.
Sekiguchi, Takashi
See Ohsato, Ario

Shimbo, Masaru
See Murai, Tetsuya
Shiraishi, Naruhito, Furuta, Hitoshi, and Ozaki, Yoshinobu
Application of Fuzzy Set Theory to Fatigue Analysis of Bridge Structures, 175 (45)

Takanami, Itsuo
See Ito, Akira
Takeuchi, Tomoyoshi, Nagai, Yutaka, and Enomoto, Nobuyoshi
Fuzzy Control of a Mobile Robot for Obstacle Avoidance, 231 (45)
Tanaka, Kazuo
See Terano, Toshiro
Terano, Toshiro, Masui, Shigehiro, Tanaka, Kazuo, and Murayama, Yujiro
Manual Control of an Intrinsically Unstable System and Its Modeling by Fuzzy Logic, 249 (45)

Varma, Anujan and Raghavendra, C. S.
Realization of Permutations on Generalized INDRA Networks, 51 (44)

Venkatesh, Y. V.
See Banerjee, K.
Voukalis, D. C.
A New Concatenated BCH-Matrix Type-B Code, 61 (45)

Wasti, Hamid A.
See Kazanzides, Peter
Wolovich, William A.
See Kazanzides, Peter
Wonham, W. M.
See Li, Y.
Wonham, W. M.
See Lin, F.

Yamakawa, Takeshi
High-Speed Fuzzy Controller Hardware System: The Mega-FIPS Machine, 113 (45)
Yamakawa, Takeshi and Kabuo, Hideyuki
A Programmable Fuzzifier Integrated Circuit–Synthesis, Design, and Fabrication, 75 (45)

A Design for a Fuzzy Logic Controller
(Maeda), 315 (45/2)
A Dynamic Majority Determination Algorithm for Reconfiguration of Network Partitions
(Bhargava), 27 (46/1-2)
A Fuzzy Decision-Making Method and Its Application to a Company Choice Problem
(Maeda), 331 (45/2)
A Modeling of Search Oriented Thesaurus Use Based on Multivalued Logical Inference
(Murai), 185 (45/2)
A Multiprocessor System for Real-Time Robotic Control
(Kazanzides), 225 (44/3)
A New Algorithm for Deadlock Avoidance
(Datta), 47 (46/1-2)
A New Concatenated BCH-Matrix Type-B Code
(Voukalis), 61 (45/1)
A Note on Three-Way Two-Dimensional Alternating Turing Machines
(Ito), 1 (45/1)
A Preservation Theorem for Fuzzy Number Theory
(Gerla), 51 (45/1)
A Programmable Fuzzifier Integrated Circuit —Synthesis, Design, and Fabrication
(Yamakawa), 75 (45/2)
A Representation of Human Reliability Using Fuzzy Concepts
(Onisawa), 153 (45/2)
A Unified Approach to Artificial Intelligence, Pattern Recognition, Image Processing, and Computer Vision in Fifth-Generation Computer Systems
(Majumder), 391 (45/3)
Alpha-Beta Search on Virtual Tree Machines
(Huntbach), 3 (44/1)
An Expert System for the Automatic Placement of Names on a Geographic Map
(Freeman), 367 (45/3)
An Object-Oriented Semantic Data Model for CAD Applications
(Ketabchi), 109 (46/1-2)
An Optimal Algorithm for Reve's Puzzle
(Er), 39 (45/1)
An SIMD Machine for Low-Level Vision
(Banerjee), 19 (44/1)
Application of Fuzzy Set Theory to Fatigue Analysis of Bridge Structures
(Shiraishi), 175 (45/2)
Application of Modified FCM with Additional Data to Area Division of Images
(Hirota), 213 (45/2)

Batched Searching in Database Organizations
(Palvia), 23 (45/1)

Computational Issues in Solid Boundary Evaluation
(Farouki), 87 (44/2)
Convexly Combined Fuzzy Relational Equations and Several Aspects of Their Application to Fuzzy Information Processing
(Ohsato), 275 (45/2)

Decentralized Supervisory Control of Discrete-Event Systems
(Lin), 199 (44/3)

Editorial
(Lakshmivarahan), 1 (44/1)

Fuzzy Control of a Mobile Robot for Obstacle Avoidance
(Takeuchi), 231 (45/2)
Fuzzy Controls Under Various Fuzzy Reasoning Methods
(Mizumoto), 129 (45/2)
Fuzzy Least Squares
(Diamond), 141 (46/3)

High-Speed Fuzzy Controller Hardware System: The Mega-FIPS Machine
(Yamakawa), 113 (45/2)

Introduction
(Elmagarmid), 1 (46/1-2)

Manual Control of an Intrinsically Unstable System and Its Modeling by Fuzzy Logic
(Terano), 249 (45/2)
Multilayered Array Computing
(Kak), 347 (45/3)

On Long-Duration CAD Transactions
(Korth), 73 (46/1-2)
On Observability of Discrete-Event Systems
(Lin), 173 (44/3)
On Supervisory Control of Real-Time Discrete-Event Systems
(Li), 159 (46/3)

Pattern Recognition Based on Scale Invariant Discriminant Functions
(Pukkila), 379 (45/3)
Performance Analysis of Multistage Interconnection Networks with Redundant Links
(Kothari), 71 (44/1)

Realization of Permutations on Generalized INDRA Networks
(Varma), 51 (44/1)

Shannon's Random-Cipher Result and the *R*-Norm Information
(Dial), 79 (44/2)

Variable Timestamps: Performance Analysis
(Chiu), 3 (46/1-2)